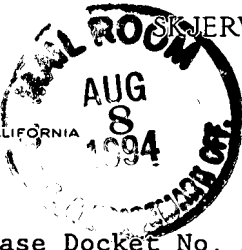


OTHER OFFICES:
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August 4, 1994

Our Case Docket No. M-1647-6C US

Commissioner of Patents and Trademarks
Washington, D.C. 20231

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GROUP 1800

Re: Applicants: Malcolm J. Simons
Assignee: GeneType AG
Serial No.: 07/949,652
Filing Date: September 23, 1992
Title: "INTRON SEQUENCE ANALYSIS METHOD FOR DETECTION
OF ADJACENT AND REMOTE LOCUS ALLELES AS HAPLOTYPES"

Dear Sir:

Transmitted herewith is a Supplemental Response in the above-identified application.

X No additional fee is required.
— The fee has been calculated as shown below:

CLAIMS AS AMENDED						
Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Additional Fee	
Total Claims	42	Minus 42	0 x	\$11	\$ 0	
Independent Claims	13	Minus 13	0 x	\$37	\$ 0	
— Fee of \$115 for the first filing of one or more multiple dependent claims per application					\$ -	
Total additional fee for this Amendment:					\$ 0	
— Fee for Request for Extension of Time (3 months)					\$ 0	
— Please charge our Deposit Account No. 19-2386 in the amount of					\$ 0	

XX Also, charge any additional fees required and credit any
overpayment to our Deposit Account No. 19-2386.

A Return Post Card and this sheet in triplicate are enclosed.

I hereby certify that this correspondence is being deposited
with the United States Postal Service as first class mail in
an envelope addressed to: Commissioner of Patents and
Trademarks, Washington, D.C., 20231, on August 4, 1994.

8/4/94
Date of Signature

Laura Terlizzi
Attorney for Applicant

Respectfully submitted,

Laura Terlizzi
Laura Terlizzi
Reg. No. 31,307
Attorney for Applicant(s)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Malcolm J. Simons

Assignee: GeneType AG

Title: "INTRON SEQUENCE ANALYSIS METHOD FOR DETECTION OF ADJACENT AND REMOTE LOCUS ALLELES AS HAPLOTYPES"

Serial No. 07/949,652

Filed: September 23, 1992

Examiner: Bradley L. Sisson Group Art Unit: 1807

Attorney Docket No.: M-1647-6C US

San Jose, California
August 4, 1994THE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

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SUPPLEMENTAL RESPONSE

Sir:

GROUP 1800

This response supplements our Amendment filed July 13, 1994. Consideration of this response is respectfully requested.

REMARKS

Accompanying this response is a Declaration by Dr. Pablo Rubinstein which addresses the issue of lack of enablement based on an insufficient demonstration of operability of the method outside the HLA genes. Dr. Rubinstein is clearly an expert in molecular genetics, as evidenced by his Curriculum Vitae. As stated in his Declaration, Dr. Rubinstein reviewed a number of recent articles by authors unrelated to Dr. Malcolm Simons, the inventor of this application, or to GeneType AG, the assignee of the application. (Copies of those articles are listed on the accompanying PTO Form 1449 and accompany this response.) Dr. Rubinstein stated that the articles "demonstrate that the allelic variants of coding regions are accompanied by concordant variants of adjacent non-coding regions of diverse non-HLA genes." He further stated that "[t]his feature of allelic variation is thus found in systems

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